BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Estimate Cost Rs. 4350000.00

Name of Work: Detailed Estimate for the work of Improvements and construction of drains at Udayanagara in ward No- 01 of yelahanka Sub Division.

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-1 Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH chapter 3, No 138/ Item No 19.1/ PWD SR 2014-15	cum							
	Berm cutting								
	rcc drain 1st cross		2	27.00	1.00	0.30	16.20		
	4th cross		2	26.50	1.00	0.40	21.20		
	5th Cross		2	24.00	1.00	0.30	14.40		
	1st A cross		2	37.00	1.00	0.40	29.60		
	2nd A cross		2	36.50	1.00	0.40	29.20		
	3rd A cross		2	36.00	1.00	0.40	28.80		
	4th A cross		2	35.50	1.00	0.40	28.40		
	main road		2	125.00	1.00	0.40	100.00		
							267.80	75.60	20246.00
	Basic Rate	70.00							
	Area Weightage @ 8%	5.60							
	Total	75.60							
2	KSRB 2-2.1 : earth work excavation for foundation of buildings, culverts water supply, sanitary line and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m, after breaking of clods complete as per specifications. specification, No, KBS 2.1(a) / 2.3.5, No 5/ Item No 2.3/ PWD SR 2014-15	cum							
	rcc drain 1st cross		1	27.00	0.90	0.90	21.87		
	4th cross		1	26.50	0.90	0.90	21.47		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	5th Cross		1	24.00	0.90	0.90	19.44		
	1st A cross		1	37.00	0.90	0.90	29.97		
	2nd A cross		1	36.50	0.90	0.90	29.57		
	3rd A cross		1	36.00	0.90	0.90	29.16		
	4th A cross		1	35.50	0.90	0.90	28.76		
	cross road		1	37.50	0.90	0.90	30.38		
	main road		1	125.00	1.00	0.90	112.50		
	for culvert		3	4.00	1.50	1.20	21.60		
							344.70	176.04	60681.00
	Basic Rate	163.00							
	Area Weightage @ 8%	13.04							
	Total	**176.04**							
3	KSRB 100-1 Loading and unloading ofstone aggregates / sand/ kanker/ Mcorum /soil KSRRB M100-1 Placing tipper at loading with front end loader dumpting turning for return trip excluding time for haulged and return trip complete as per specification item No 17.1 page 130 and KSRB M.100.4.1 costof haulage excluding loading and unloading MORTH to a distance of 4.00 K.M (Item No 17.4 Page 130 (SR 2014-15)	cum							
			Vide Item No. 1+2				612.50	79.10	48448.00
	Basic Rate for loading and unloading	63.00							
	Basic Rate for Haulage upto 4.00 k.m =1.28 X 2 X 4	10.24							
		73.24							
	Area Weightage @ 8%	5.86							
	Total	**79.10**							
4	KSRB-4-1.2 : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement at 220kgs. with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15cms. thick, well compacted, in foundation and plinth including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1.4.2, No. 12/ Item No. 4.2/ PWD SR 2014-15	Cum							
	rcc drain 1st cross		1	27.00	0.90	0.15	3.65		
	4th cross		1	26.50	0.90	0.15	3.58		
	5th Cross		1	24.00	0.90	0.15	3.24		
	1st A cross		1	37.00	0.90	0.15	5.00		
	2nd A cross		1	36.50	0.90	0.15	4.93		
	3rd A cross		1	36.00	0.90	0.15	4.86		
	4th A cross		1	35.50	0.90	0.15	4.79		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	cross road		1	37.50	0.90	0.15	5.06		
	main road		1	125.00	1.00	0.15	18.75		
	for culvert		3	4.00	1.50	0.15	2.70		
	for culvert approach	2x3	6	4.00	0.60	0.20	2.88		
	CC road patch work		14	4.00	2.00	0.10	11.20		
	aproach to NH - 7		5	4.00	3.00	0.20	12.00		
							82.63	5064.12	418448.24
	Basic Rate	4689.00							
	Area Weightage @ 8%	375.12							
	Total	5064.12							
5	KSRB 4.2.2 Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with superplastesisre @ 3lts conforming to ISS103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, **lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc.** including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2014-15	Cum							
	for RCC drain bed 1st cross		1	27.00	0.90	0.15	3.65		
	side walls		2	27.00	0.15	0.90	7.29		
	bed 4th cross		1	26.50	0.90	0.15	3.58		
	side walls		2	26.50	0.15	0.90	7.16		
	bed 5th A cross		1	24.00	0.90	0.15	3.24		
	side walls		2	24.00	0.15	0.90	6.48		
	bed 1st A cross		1	37.00	0.90	0.15	5.00		
	side walls		2	37.00	0.15	0.90	9.99		
	bed 2nd A cross		1	36.50	0.90	0.15	4.93		
	side walls		2	36.50	0.15	0.90	9.86		
	bed 3rd A cross		1	36.00	0.90	0.15	4.86		
	side walls		2	36.00	0.15	0.90	9.72		
	bed 4th A cross		1	35.50	0.90	0.15	4.79		
	side walls		2	35.50	0.15	0.90	9.59		
	bed main road		1	125.00	1.00	0.15	18.75		
	side walls		2	125.00	0.15	0.90	33.75		
	bed for cross road		1	37.50	1.00	0.15	5.63		
	side walls		2	37.50	0.15	0.90	10.13		
	bed for culvert		3	4.00	1.20	0.20	2.88		
	side walls		6	4.00	0.20	0.90	4.32		
	deck		3	4.00	1.20	0.23	3.31		
	CC road patch work		25	4.00	2.80	0.10	28.00		
	aproach to NH - 7		5	4.00	3.00	0.15	9.00		

	providing T.M.T steel for R.C.C. work								
	cutting, bending, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 Page No. 19/ Item No. 4.46/ PWD SR 2014-15	Quintal							
	100 kg/cum		1.000	168.87			168.87		
							168.87	**7254.80**	**1225161.00**
	Basic Rate	7254.80							
7	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bittresses,buttresses plinth and string course including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 15/ Item No. 4.31/ PWD SR 2014-15	sqm							
	roc drain 1st cross	1x4	4	27.00	0.90		97.20		
	4th cross	1x4	4	26.50	0.90		95.40		
	5th A cross	1x4	4	24.00	0.90		86.40		
	1st A cross	1x4	4	37.00	0.90		133.20		
	2nd A cross	1x4	4	36.50	0.90		131.40		
	3rd A cross	1x4	4	36.00	0.90		129.60		
	4th A cross	1x4	4	35.50	0.90		127.80		
	cross road	1x4	4	37.50	0.90		135.00		
	main road	1x4	4	125.00	0.90		450.00		
	for culvert side walls	3x4	12	4.00	0.90		43.20		
		3x1	3	4.00	1.20		14.40		
	deck	3x2	6	4.00	0.23		5.52		
		3x2	6	1.20	0.23		1.66		
							1450.78	**292.68**	**424613.00**
	Basic Rate	271.00							
	Area Weightage @ 8%	21.68							
	Total	**292.68**							
8	RCC Precast covering slab for drain (10cm thick)	sqm							
	cross road		1	37.50	0.75		28.13		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	roc drain 1st cross		1	30.00	0.75		22.50		
	4th cross		1	28.00	0.75		21.00		
	1st A cross		1	38.00	0.75		28.50		
	2nd A cross		1	38.00	0.75		28.50		
	3rd A cross		1	38.00	0.75		28.50		
	4th A cross		1	38.00	0.75		28.50		
	5th A cross		1	38.00	0.75		28.50		
	main road		1	133.00	0.90		119.70		A32548.00
							305.70	1498.00	457939.00
							288.75		
	Rate Approved by BBMP	1498.00							
								Sub Total	3883601.08
9	KRIDL Charges + Labourcess 11%								427196.00
10	1% of Quality control charges								38836.00
11	Miscellaneous charges								366.92
								Total	4350000.00

(Rupees Forty three lakhs fifty thousand Only)

CERTIFICATE

1. The work spot has been inspected and the work is found necessary.
2. This estimate is prepared as per C.S.R. of 2014-15.
3. The provisions were made in this estimate are necessary and adequate.
4. This works come under B.B.M.P. limits.

Assistant Engineer

Assistant Executive Engineer
Yelahanka Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

ADMINISTRATIVELY SANCTIONED FOR Rs. 43,50,000

Rupees Forty three Lakhs fifty Thousand only

Under P0190 mayor grant

Recommended as EE ( ) No.

Subject to conditions enclosed memo EE ( ) No.

Dt 13/11/2014 Estimate

BBMP/YNK/JC/AA/1045/14-15

dated 13/11/2014 Rs 43,50,000

Addl. Commissioner
Yelahanka Zone
Bengaluru-92

Technical Sanction for Rs. 43,50,000/-

Forty three lacks fifty thousand only

is accorded under head P0190

registered as CE No. 70 Dt: 13/11/14 Subject to Conditions contained in enclosed memo No. BBMP/YNK/CE/15/7[illegible] dt 13/11/2014

AEE/E TA SE (BTP) CE (BTP)